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New Product Highlights

During my undergraduate degree, I spent a summer working on a research farm. I gained valuable skills in weed and disease identification, but I also learned what processes must take place in order for a product to gain registration in the agriculture industry. I was able to see firsthand a small glimpse of this process, as part of my job was to rate the efficacy and phytotoxic effects of products. Should the product prove to be effective or not damaging to the crop, it would move forward in the development pipeline.

Knowing that the list of challenges farmers face is constantly growing, it is reassuring to know that a large amount of resources are being put into developing new products to combat these challenges. It's amazing to hear at supplier meetings about what their product pipeline is full of and what kind of potential there is 2 to 5 years down the road for disease, weed and insect management. In this month's edition of the Lakeside Newsletter, a few new products are highlighted that will be available in 2019.

BASF

Sefina is a new insecticide that will be offered in 2019 for control of aphids in soybeans and potatoes (the horticulture version of this product is called Versys). It is a faster acting product to stop aphid feeding within hours and is safe to use on beneficial insects. With a pre-harvest interval of 7 days, Sefina is a product that is applied at 81 mL/acre.

Along with the launch of Sefina, BASF has been conducting research with Priaxor applications on alfalfa (120 mL/acre). Depending on your crop goals, there have been two different application timings suggested; if you are going after yield, apply Priaxor after first cut alfalfa. If quality is of concern to you, apply Priaxor after second cut.



Image courtesy of BASF

Syngenta

Moddus

Three is the magic number for Syngenta this year with the launch of Moddus, Miravis and Tavium. For all the wheat growers out there, Moddus is a growth regulator that helps to limit lodging by shortening internodes and prevents the formation of gibberellic acid in the plant. Miravis Neo is a corn fungicide that Lakeside had the opportunity to run a trial with in 2018. Similar to TrivaPro, it offers chemistries from Group 3, 7 and 11 for a complete foliar and yield protection package. Looking at some of the trial data out of the USA, Miravis Neo offers growers longer lasting protection against grey leaf spot and other foliar diseases.

Miravis

Tavium

What I look forward to most about Tavium is the fact that it combines the residual power of Dual II Mangu and systemic activity of dicamba, which offers growers a product with multiple modes of effective action. It has a labelled use rate of 1.7 L/ac and can be tank mixed with glyphosate. Keep in mind, Syngenta has ultra coarse nozzles listed as the nozzle of choice with this product as it does contain dicamba.

Corteva

Meet the new kid on the block! Or rather, the new face of Dow and DuPont - Corteva. With the merger that recently took place between these two companies, Corteva is the agriculture division of Dow and DuPont. It includes the crop protection portfolios of Dow and DuPont, along with the seed brands of Pioneer and Brevant (formerly Dow Seeds).

On the chemical side of the business, Corteva will be releasing Elevore as their new group 4 herbicide option in corn and soybeans. While it is in the Group 4 chemistry family, it has similar activity on weeds that 2,4-D does, but it is more consistent with the control of Canada Fleabane (photo on right) than any of the other synthetic auxins. With low use rates (29.5 mL/ac), Elevore offers producers an effective tool to control Glyphosate Resistant Canada Fleabane. As a single mode of action product, Elevore makes for an excellent tank mix partner with a multitude of products for better resistance management.



Canada Fleabane rosette; best to control this weed before it bolts. As always, actively growing and young weeds are easier to control. Image courtesy of Field Crop News